**LA**  

**Landscape Architecture**

#LA 105 INTRODUCTION TO LANDSCAPE ARCHITECTURE. (3)
A survey of landscape architecture examining how the profession responds to societal needs in providing services to various public and private clients. Students will become aware of the potential for landscape architecture to transform the environments in which humans live, work, and play. Contemporary landscape architectural issues, practitioners and work are presented. Lecture, three hours per week.

LA 111 LIVING ON THE RIGHT SIDE OF THE BRAIN. (3)
Students in this course will gain an understanding and awareness of creative strategies that may be used in future problem solving. These strategies will help encourage creative thinking that will lead to more innovative and novel solutions. Students will practice a metacognitive approach by reflecting on their own thinking in an effort to enhance self-regulation and ultimately realize creative potential.

LA 205 HISTORY OF LANDSCAPE ARCHITECTURE. (3)
A study of landscape design through past civilizations and how these have influenced our present approach to dealing with our landscape.

†LA 206 CONTEMPORARY LANDSCAPE ARCHITECTURE.

*LA 805 GRAPHICS I. (3)
A study of landscape architecture graphics including freehand sketching, plan, section, and perspective drawing. Rendering techniques in both black and white and color will be explored with a variety of media including pencil, marker, pastel, and airbrush. Lecture, two hours; studio, two hours per week. Prereq: Non-LA majors must have permission of instructor.

*LA 821 LANDSCAPE ARCHITECTURE DESIGN STUDIO I. (6)
Introduction to the fundamental elements and principles of design and drawing. Emphasis on the representation and perception of pictorial space; and observation and association as a means to visual literacy. Lecture, three hours; studio, nine hours per week. Prereq: Student must be accepted into the Landscape Architecture Program and enrolled in LA 805 (or previous completion of equivalent graphics course).

*LA 822 LANDSCAPE ARCHITECTURE DESIGN STUDIO II. (6)
Application of the basic design vocabulary established in the fall semester for solving more complex spatial problems. Focus on the identification, creation and exploration of space in three dimensions, and the development of conceptual problem solving. Lecture, three hours; studio, nine hours per week. Prereq: LA 821 with a minimum of grade of “C” and enrollment in LA 825 (or previous completion of equivalent CAD course).

#LA 825 DIGITAL REPRESENTATION I. (3)
This course provides students with a basic knowledge of computer-aided methodologies applied to site design and design articulation. It focuses on utilizing AutoCAD as a tool for producing the sequence of drawings commonly used in professional design offices. The interface of AutoCAD with various other digital applications to produce representations of site information is also emphasized. Lecture, 2 hours; laboratory, 2 hours per week. Prereq: LA 805.

*LA 833 LANDSCAPE ARCHITECTURE DESIGN STUDIO III. (6)
Design studio emphasizing design process applied to site programming, landscape analysis, and site planning. Use of actual sites to emphasize relationships between landscape analysis processes and landscape topology. Project presentation and public speaking sessions are videotaped and critiqued. Required field trip. Lecture, three hours; studio, nine hours per week. Prereq: LA 822 with a minimum grade of “C”, LA 105, LA 205 and LA 825 or equivalent CAD course.

*LA 834 LANDSCAPE ARCHITECTURE DESIGN STUDIO IV. (6)
Design studio emphasizing design process applied to site design and integration of design theories. Investigation and application of context, composition, typology, landscape ecology and other theoretical constructs as design determinants. Expression of design using two and three dimensional communications media. Required field trip. Lecture, three hours; studio, nine hours per week. Prereq: LA 833 with a minimum grade of “C”, PLS 320 and GLY 110 or 120.

*LA 841 LANDSCAPE ARCHITECTURE DESIGN STUDIO V. (6)
Studio design course emphasizing design process and principles in the development of design solutions for a variety of projects. Lecture, three hours; studio, nine hours per week. Prereq: LA 834 with a minimum grade of “C”, PLS 320 and PLS 366 or FOR 205.
LA 842 LANDSCAPE ARCHITECTURE DESIGN STUDIO VI. (6)
Studio design course with emphasis on project-type design and an introduction to large scale site planning. Lecture, three hours; studio, nine hours per week. Prereq: LA 841 with a minimum grade of “C”.

*LA 851 DESIGN WITH PLANTS. (3)
The application of design principles to the functional and aesthetic use of plant materials in the landscape. Lecture, two hours; studio two hours per week. Prereq: LA 205, LA 805 and PLS 320, or permission of instructor.

†LA 853 HISTORY AND THEORY OF URBAN FORM.

*LA 854 CULTURAL LANDSCAPE PRESERVATION. (3)
An introduction to cultural landscape preservation philosophy, strategies and methods. Exploration of regional landscape preservation case studies and application of preservation principles and methods to solve landscape preservation problems with an emphasis on research and process. Lecture, two hours; studio, two hours per week. Graduate credit will be limited to master’s students enrolled in the Historic Preservation graduate program and the awarding of graduate credit in each case requires the approval of the Director of Graduate Studies in Historic Preservation.

*LA 855 INTRODUCTORY GEOSPATIAL APPLICATIONS FOR LAND ANALYSIS. (3)
An introduction to the concepts and methods of compilation, management, analysis, and display of spatially-referenced and tabular data utilizing vector and raster data models. Lecture will be complemented with computer based laboratory exercises. Lecture, two hours; laboratory, four hours per week. Prereq: Third year or above LA major, junior/senior NRES major, or permission of instructor. (Same as NRE 355.)

*LA 856 CONTEMPORARY GEOSPATIAL APPLICATIONS FOR LAND ANALYSIS. (3)
Advance concepts in data base analysis, model development, and ancillary functions in geographic information systems. Lecture, two hours; laboratory, four hours per week. Prereq: LA 855/NRE 355 and either STA 291 or STA 570. (Same as NRE 556.)

LA 857 DESIGN THEORIES IN LANDSCAPE ARCHITECTURE. (3)
This course will act as an introduction to some of the conceptual design issues integral to the studio experience. The objective of the course is to develop a theoretical and philosophical foundation for our actions and interventions in the environment. Prereq: LA 834 or permission of instructor.

LA 858 REGIONAL LAND USE PLANNING SYSTEMS. (3)
An introduction to regional land use planning and its relationship to environmental, social, and economic systems. Students will develop an understanding of how land use decisions have impacted the development of the United States and how they are used to determine future development directions. Prereq: LAAR major or permission of instructor.

*LA 862 GRAPHICS II. (3)
Study and application of advanced level graphic communication methods with emphasis on integration of multiple media and technologies. Lecture, two hours; laboratory, two hours per week. Prereq: LA 825.

#LA 863 DIGITAL REPRESENTATION II. (3)
Digital Representation II introduces students to the representation of essential elements of the landscape (structures, landform, water, vegetation, and atmosphere) in three dimensions utilizing Autodesk and Sketch Up software. Students learn about basic 3D modeling tools that will prepare them later in the course to experiment with a variety of visualization methods. Students will test the appropriateness of visualization methods in search of a balance between realistic representations and software limitations. Lecture, 2 hours; studio, 2 hours per week. Prereq: LA 862.

*LA 869 ADVANCED REGIONAL LAND USE PLANNING APPLICATIONS. (3)
This course builds on the systems learned in LA 858 and applies them, through GIS technology, to real world situations. In this course we will deal with rural development, decision making, and comprehensive land use within the context of the physical environment. Lecture, two hours; studio, three hours per week. Prereq: LA 858 or LA 855, or permission of the instructor.
*LA 871 DESIGN IMPLEMENTATION I. (4)
An introductory study of landscape architecture design implementation; construction materials, including wood, paving types and wall types, along with their applications; development of surface grading and drainage; and preparation of working drawings and materials specifications. Lecture, two hours; studio, six hours per week. Prereq: LA 825 or permission of the instructor.

LA 872 DESIGN IMPLEMENTATION II. (4)
A continuation of design implementation to develop competency in solving problems relating to subsurface drainage systems, road alignment, and detailed site engineering. Lecture, two hours; studio, six hours per week. Prereq: LA 871 with a minimum grade of “C”.

#LA 890 INTERNATIONAL STUDY. (3)
Advanced topical studies in landscape architecture allowing for individual research or a work/travel experience coordinated with an academic pursuit. May be repeated to a maximum of six credits.

*LA 895 INDEPENDENT STUDY IN LANDSCAPE ARCHITECTURE. (1-6)
Advanced topical studies in landscape architecture allowing for individual research on a work/travel experience coordinated with academic pursuits. May be repeated to a maximum of six credits. Prereq: Permission of faculty.

#LA 897 SPECIAL TOPICS IN LANDSCAPE ARCHITECTURE (Subtitle required). (3)
Topical seminars on current issues of significance to landscape architecture. May be repeated to a maximum of six credits under different subtitles.

#LA 899 INTERNSHIP IN LANDSCAPE ARCHITECTURE. (3)
This is a self-directed course that provides academic credit for a pre-approved internship relating to the practice of landscape architecture. Such an internship involves working for a minimum of eight weeks (320 hours) in a private or public landscape architecture office or in another professional experience associated with landscape architecture. Other experiences could include conservation work, research projects, or community engagement work. While engaged in the internship it is required that a Practice Portfolio and a daily journal of professional engagement be kept. Prereq: LAAR major and Third-Year standing or higher.

†LA 941 PROFESSIONAL PRACTICE.

†LA 971 SENIOR PROJECT.

*LA 973 DESIGN IMPLEMENTATION III. (6)
Advanced instruction and practicum in the development phase of design drawings. Students will produce a comprehensive set of working drawings that apply the principles and techniques commonly used in the landscape architecture profession. Lecture, three hours; studio, nine hours per week. Prereq: LA 872 with a minimum grade of “C”.

*LA 975 LANDSCAPE ARCHITECTURE DESIGN STUDIO VII. (6)
Application of landscape architecture design principles to solve problems at a variety of scales emphasizing process as well as form generation in a creative and historic context. Lecture, three hours; studio, nine hours per week. Prereq: LA 842 with a minimum grade of “C”.

#LA 990 CAPSTONE SEMINAR. (2)
A capstone course in which students will formally document their competency relative to knowledge, skills and abilities developed while in this program. In addition, this course will help students prepare to become practicing landscape architects and/or pursue additional formal education. Seminar, three hours per week; Field trip(s). Prereq: LA 842 or permission of instructor.